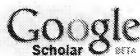


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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	43	703/8.ccls. and @pd>="20080501"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2008/12/04 09:32
L2	73	(280/5.5\$).ccls. and @pd>="20080501"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2008/12/04 09:36
L3	12	(stewart near platform) same spring	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2008/12/04 09:43



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Design and control of a simplified Stewart platform for endoscopy

JM Wendlandt, SS Sastry - Decision and Control, 1994., Proceedings of the 33rd IEEE ..., 1994 - [ieeexplore.ieee.org](#)

... The **design** shares simi- larities with the **Stewart Platform** but has ... do not need the full motion of the **Stewart platform**. ... by rigid tubes and a **spring**-like device ...

Cited by 16 - Related articles - Web Search - BL Direct

Design and development of a Stewart platform based force-torque sensor

TA Dwarakanath, B Dasgupta, TS Mruthyunjaya - Mechatronics, 2001 - Elsevier

... analysed a similar structure and enumerated a few **design** criteria for the sensor structure. The concept of a passive **Stewart platform** with **spring** loaded legs ...

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The Stewart platform manipulator: a review

B Dasgupta, TS Mruthyunjaya - Mechanism and Machine Theory, 2000 - Elsevier

... analysed a similar structure and enumerated a few **design** criteria for the sensor structure. The concept of a passive **Stewart platform** with **spring**-loaded legs ...

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Dynamic Analysis and Control of a Stewart Platform Manipulator

G Lebre, K Liu, FL Lewis - JOURNAL OF ROBOTIC SYSTEMS, 1993 - doi.wiley.com

Page 1. Dynamic Analysis and Control of a **Stewart Platform** Manipulator ... In this article, we study the dynamic equations of the **Stewart platform** manipulator. ...

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Modeling, simulation, and control of a hydraulic Stewart platform

D Li, SE Salcudean - Robotics and Automation, 1997. Proceedings., 1997 IEEE ..., 1997 - [ieeexplore.ieee.org](#)

... For the **Stewart platform** considered here, the mass of the six legs is considerably ... coefficient (normally piston seal fric- tion), K is the **spring** constant of ...

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Closed-form force sensing of a 6-axis force transducer based on the Stewart platform

CG Kang - Sensors & Actuators: A. Physical, 2001 - Elsevier

... Let the **spring** constant of **springs** mounted on the legs to be 87.5 N/mm, and the maximum ... The **design** parameters of the **Stewart platform** were selected in ...

Cited by 20 - Related articles - Web Search - All 3 versions

Genetic design of kinematically optimal fine tuning Stewart platform for large spherical radio

YX Su, BY Duan, CH Zheng - Mechatronics, 2001 - Elsevier

... where x_i stands for the i th gene of the i th **spring** P H ; x_i represents the i th gene of the ... 5. Optimal **design** results of the **fine tuning Stewart platform** ...

Cited by 16 - Related articles - Web Search - All 2 versions

A six degree of freedom micromanipulator for ophthalmic surgery

KW Grace, JE Colgate, MR Glucksberg, JH Chun - Robotics and Automation, 1993. Proceedings., 1993 IEEE ..., 1993 - [ieeexplore.ieee.org](#)



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Static balancing of 3-DOF planar parallel mechanisms

T Laliberte, CM Gosselin, M Jean - *Mechatronics*, IEEE/ASME Transactions on, 1999 - [ieeexplore.ieee.org](#)
... of the Mechanisms For each type of planar **parallel mechanism** introduced in ... and for the mechanisms with **springs**—can be thought of as the **design** space, in ...

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Geometric Analysis of Antagonistic Stiffness in Redundantly Actuated Parallel Mechanisms

RA Freeman - *Journal of Robotic Systems*, 1993 - [doi.wiley.com](#)
... disturbance rejection and nonlin- ear **spring design**. ... antagonism generated from preloaded passive **springs**. ... of a "**fully parallel**" **mechanism** consisting of R, N ...

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Virtual model control of a bipedal walking robot - ► [mit.edu](#) [PDF]

J Pratt, P Dillworth, G Pratt - *Robotics and Automation*, 1997. *Proceedings.*, 1997 IEEE ..., 1997 - [ieeexplore.ieee.org](#)

... for each serial link of this **parallel mechanism** in the ... third constraint provides us with a **design** de- gree ... Figure 3: **Spring** Turkey, our bipedal walking robot. ...

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Kinematic Decoupling in Mechanisms and Application to a Passive Hand Controller Design -

► [mcgill.ca](#) [PDF]

I Sons - *Journal of Robotic Systems*, 1993 - [doi.wiley.com](#)
... a hand controller. The cited **design** also proposes ... fitted with individual return **springs**, possibly dampers ... in general and a **parallel mechanism** in particular? ...

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Design, fabrication, and evaluation of a new haptic device using a parallel mechanism

J Yoon, J Ryu - *Mechatronics*, IEEE/ASME Transactions on, 2001 - [ieeexplore.ieee.org](#)
... and Jacobian analyses. Section III presents **design** analyses for optimal

design of the **parallel mechanism**. Rearrangeability of the ...

Cited by 24 - Related articles - Web Search - BL Direct - All 3 versions

[PDF] ► Design and evaluation of a high-performance haptic interface

RE Ellis, OM Ismaeil, MG Lipsett - *Robotica*, 1996 - [cs.queensu.ca](#)
... possible to produce a **fully parallel mechanism** with six ... force measurements indicated by our **design** criteria were: ... a low-mass, damped **spring**; various resonances ...

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Static balancing of spatial four-degree-of-freedom parallel mechanisms

J Wang, CM Gosselin - *Mechanism and Machine Theory*, 2000 - Elsevier
... of the results to the **design** of statically ... with counterweights, balancing with **springs** will be ... spatial four-degree-of-freedom **parallel mechanism** with prismatic ...

Cited by 49 - Related articles - Web Search - BL Direct - All 5 versions

Series Elastic Actuators - ► [gatech.edu](#) [PDF]

GA Pratt, MM Williamson - *Proceedings of the IEEE/RSJ International Conference on ...*, 1995 - [doi.ieee.org](#)
... mented Compliant Wrist Using a **Parallel Mechanism**", Japan/USA ... M., and Townsend, W.,